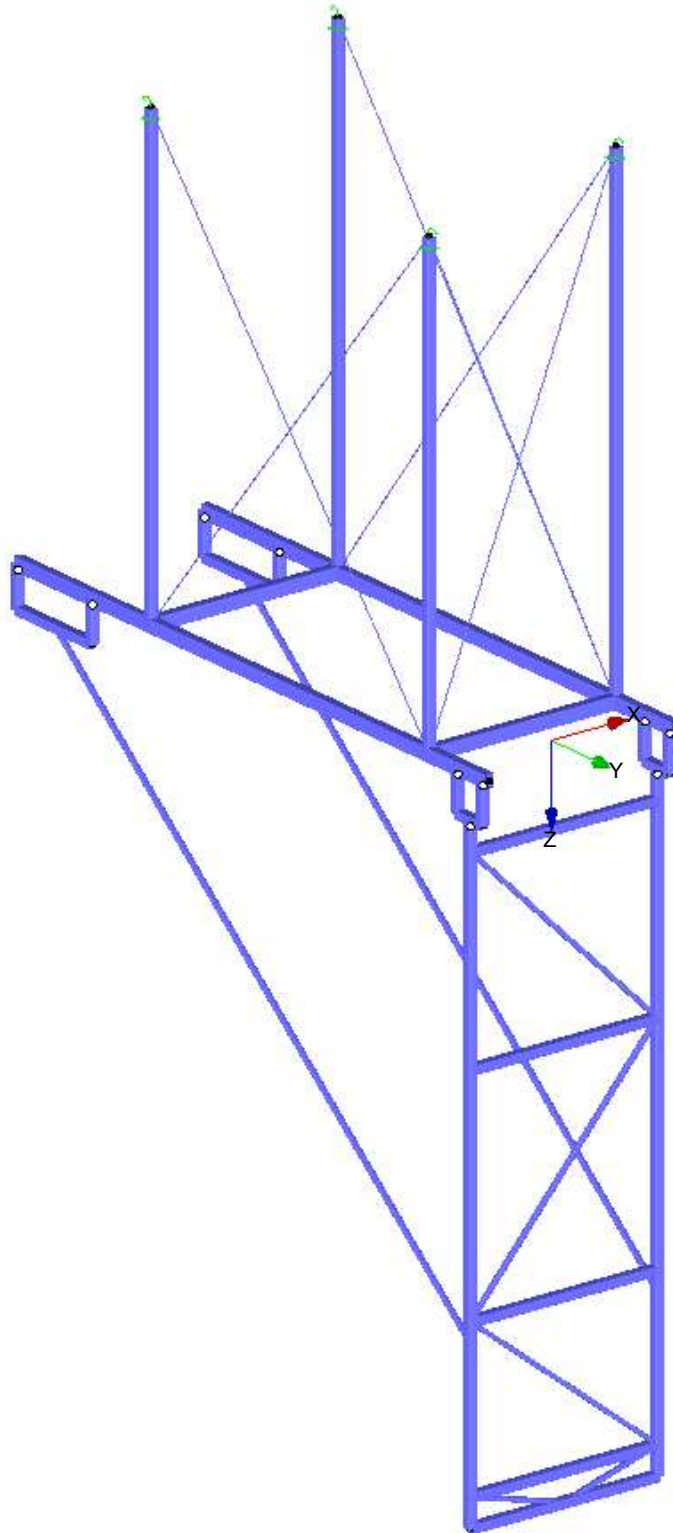
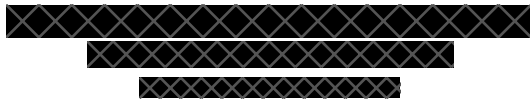
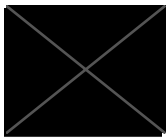


■ VORDIMENSIONIERUNG UK BASKETBALL-DECKENGERÜST NACH FIBA

Isometrie



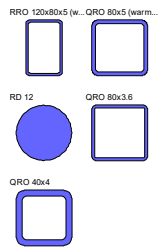


MODELL

Projekt: 22076 ARG

Modell: UK BB Deckengerüst FIBA

Datum: 03.09.2025

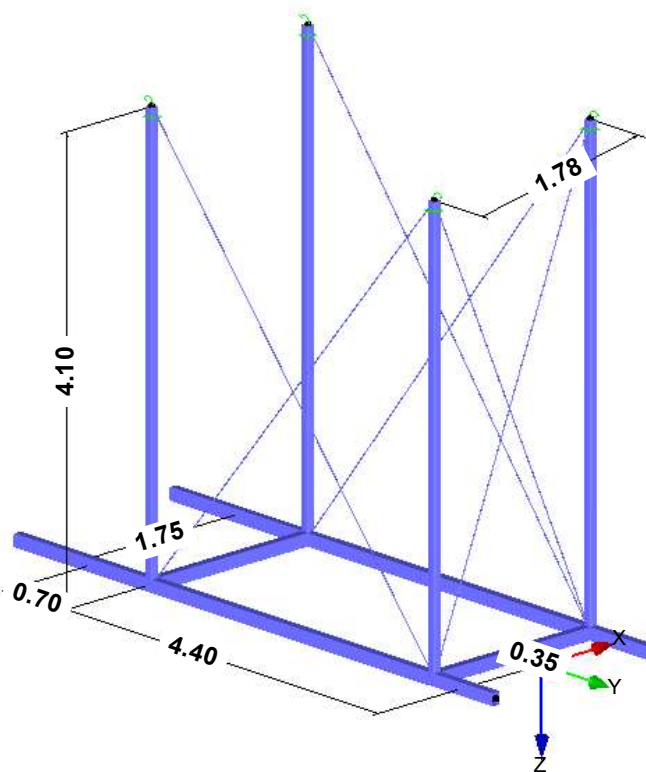


1.3 QUERSCHNITTE

Quers. Nr.	Mater. Nr.	I_T [cm ⁴] A [cm ²]	I_y [cm ⁴] A_y [cm ²]	I_z [cm ⁴] A_z [cm ²]	Hauptachsen α [°]	Drehung α' [°]	Gesamtabmessungen [mm]	
							Breite b	Höhe h
1	RRO 120x80x5 (warmgefertigt) 3	401.00 18.70	365.00 5.64	193.00 10.36	0.00	0.00	80.0	120.0
2	QRO 80x5 (warmgefertigt) 3	217.00 14.70	137.00 6.34	137.00 6.34	0.00	0.00	80.0	80.0
3	RD 12 3	0.20 1.13	0.10 0.95	0.10 0.95	0.00	0.00	12.0	12.0
14	QRO 80x3.6 DIN 59410:1974 3	162.00 10.90	106.00 4.63	106.00 4.63	0.00	0.00	80.0	80.0
17	QRO 40x4 DIN 59410:1974 3	19.00 5.62	12.10 2.45	12.10 2.45	0.00	0.00	40.0	40.0

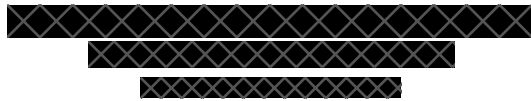
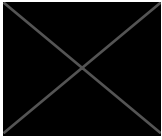
MODELL

Isometrie



1.2 MATERIALIEN

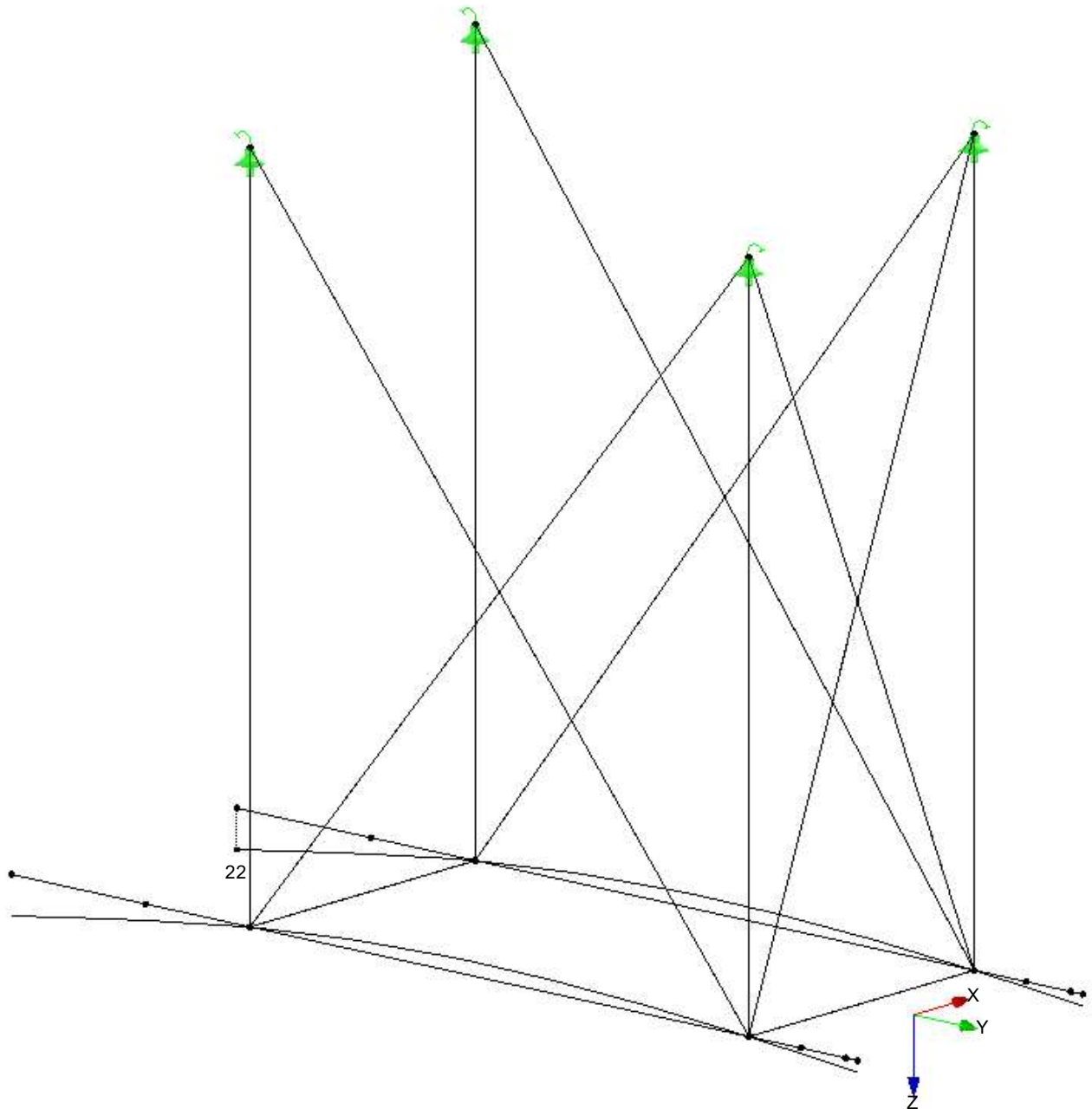
Mat. Nr.	Modul E [kN/cm ²]	Modul G [kN/cm ²]	Spez. Gewicht γ [kN/m ³]	Wärmedehnz. α [1/K]	Teilsich.-Beiwert γ_M [-]	Material-Modell
3	Baustahl S 235 DIN EN 1993-1-1:2010-12 21000.00	8100.00	78.50	1.20E-05	1.00	Isotrop linear elastisch



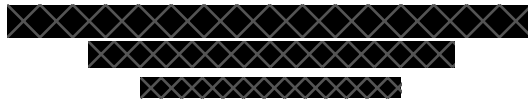
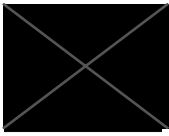
■ GLOBALE VERFORMUNGEN u

LF7 : q-Verkehrslast-FIBA
Globale Verformungen u [mm]

Isometrie



Max u: 22, Min u: 0 [mm]
Faktor für Verformungen: 10.00



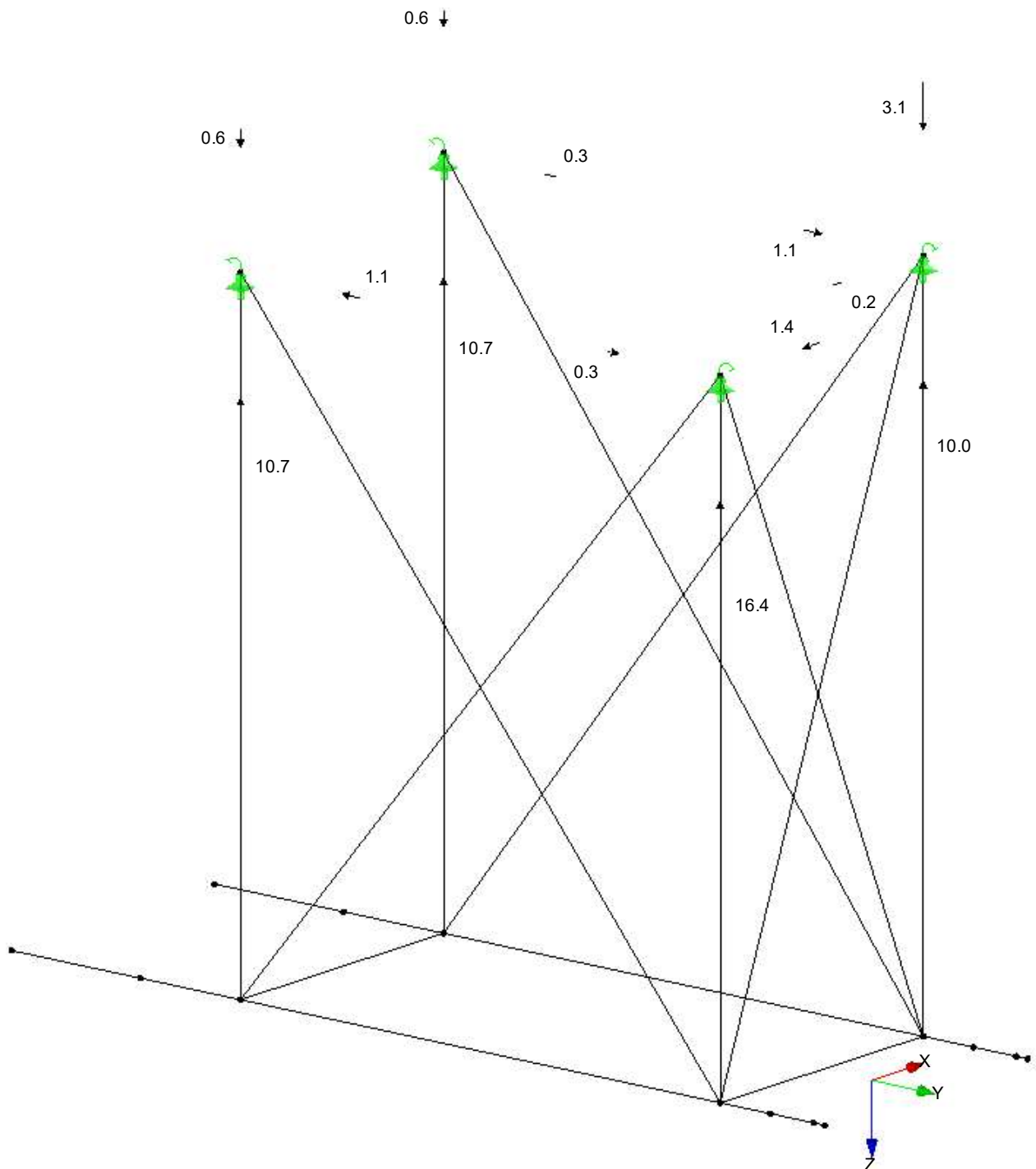
■ LAGERREAKTIONEN

EK1 : LK2 oder LK4 oder LK6 oder LK8

Lagerreaktionen[kN]

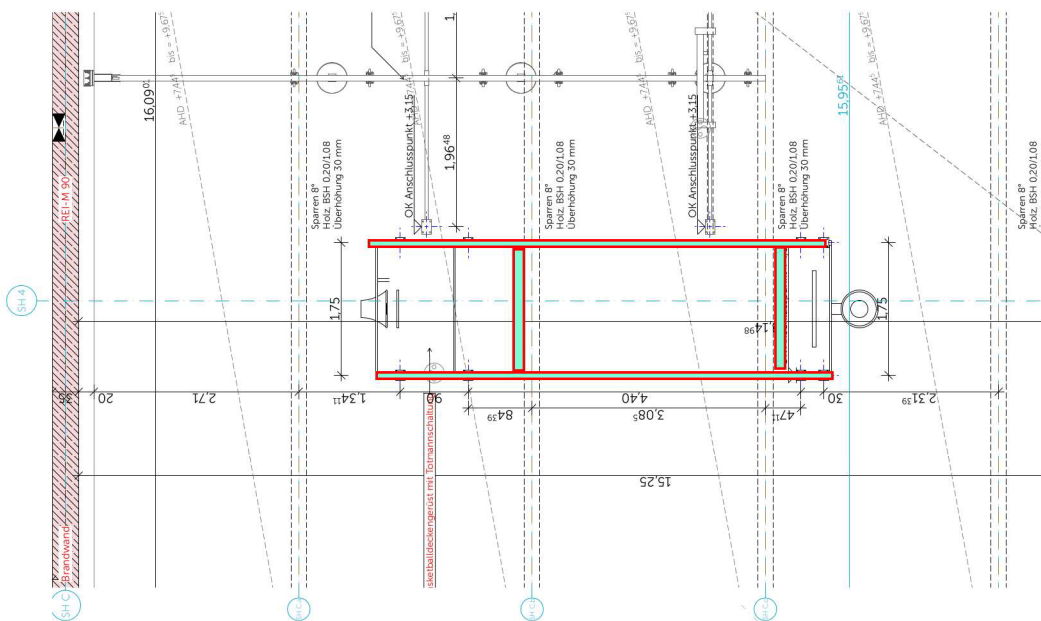
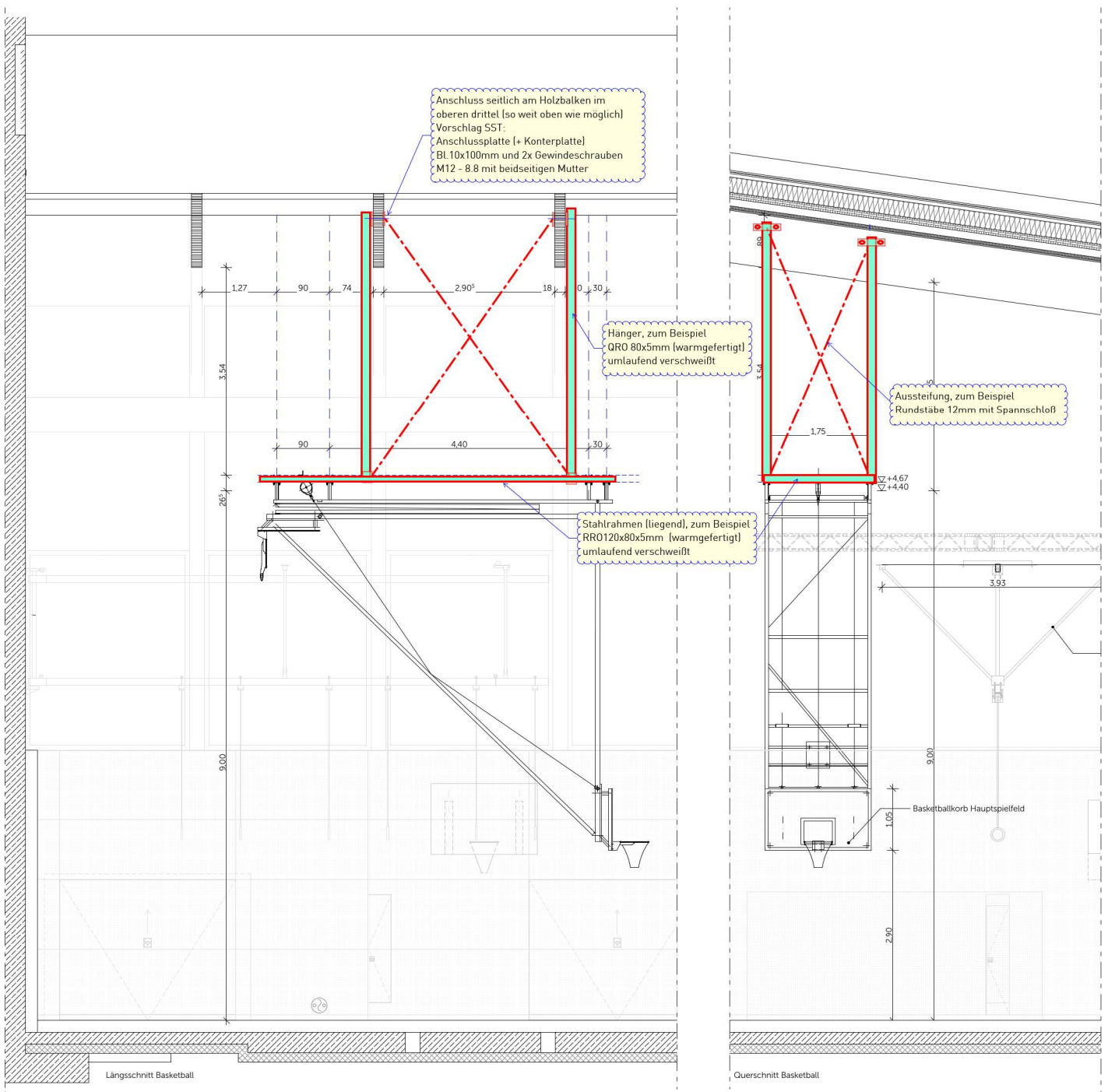
Ergebniskombinationen: Max- und Min-Werte

Isometrie



Max P-X': 1.4, Min P-X': -0.2 kN
Max P-Y': 1.1, Min P-Y': -1.1 kN
Max P-Z': 16.4, Min P-Z': -3.1 kN

B-B. Deckengerüst nach FIBA Modell "B2-118.01"



21061 SCD
Vordimensionierung
Anschlussdetails

08.09.2025

